

**ATTACHMENT E**  
**CONTINGENCY PLAN**

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## LIST OF ABBREVIATIONS/ACRONYMS

20.4.1 NMAC	New Mexico Administrative Code, Title 20, Chapter 4, Part 1
CSU	container storage unit
LANL	Los Alamos National Laboratory
TA	Technical Area

## **ATTACHMENT E**

### **CONTINGENCY PLAN**

In accordance with the New Mexico Administrative Code, Title 20, Chapter 4, Part 1 (20.4.1 NMAC), Subpart V, Part 264, Subpart D, "Contingency Plan and Emergency Procedures," and 20.4.1 NMAC, Subpart IX, 270.14(b)(7), revised June 14, 2000, contingency measures applicable to the hazardous and mixed waste container storage units (CSU) at Technical Area (TA) 50 are provided in Appendix E of the "Los Alamos National Laboratory General Part B," hereinafter referred to as the General Part B (LANL, 1998).

Figure E-1 shows evacuation routes and muster areas that may be used in the event of an emergency. In addition, lists of emergency equipment currently available for use at TA-50 CSUs are included as Table E-1. A list of emergency equipment (including spill equipment) available from the Hazardous Materials Response Group is presented in Table E-2 of Appendix E in the LANL General Part B (LANL, 1998). Evacuation routes, muster area locations, and emergency equipment are subject to change.

Hazardous and mixed waste spills are managed by type and severity of the incident. If a hazardous/mixed waste spill occurs, the Incident Command evaluates the type and severity of the spill and determines if assistance from LANL's Emergency Management Response Group is required. If not, the spill is managed internally by TA-50 personnel.

Table E-1

## Emergency Equipment

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### **FIRE CONTROL EQUIPMENT:**

- **FIRE EXTINGUISHERS**

Description of General Capabilities

The fire extinguishers are portable, manually operated units and may be used by any employee in case of fire. They consist of Class A, B, and C units of approximately 9 to 15 pounds capacity used in wet chemical laboratory applications.

Locations

2 fire extinguishers are located in TA-50-69, Indoor Container Storage Unit (CSU) (Room—102)

1 fire extinguisher is located within 20 feet (ft) of the TA-50-69, Outdoor CSU

- **FIRE ALARM PULL BOXES CONNECTED TO THE CENTRAL ALARM STATION**

Description of General Capabilities

Fire alarms may be activated by any employee in the event of fire to notify the Central Alarm Station. Upon activation, fire alarm horns and strobes provide audible and visual signals for personnel notification. The fire alarm is a pulsing sound. The evacuation alarm is a wailing sound that can be heard throughout TA-50-69, Indoor CSU and at the TA-50-69, Outdoor CSU.

Locations

Two fire alarm pull stations are located in the TA-50-69, Indoor CSU. One is just inside the south door of Room 102 and the other is inside the east door of TA-50-69. Personnel working at the TA-50-69, Outdoor CSU may use the pull stations at TA-50-69 in the event of a fire.

- **AUTOMATIC FIRE SUPPRESSION SYSTEM**

Description of General Capabilities

A wet-pipe automatic sprinkler system that is hydraulically designed for ordinary hazard Group II coverage is in place throughout TA-50-69. This system is activated at 100°C (212°F). The glovebox cutting and disassembly modules are equipped with an automatic water deluge sprinkler system. One sprinkler head is mounted on the west wall of the cutting module and one sprinkler head is mounted on the east wall of the disassembly module. Additionally, a manually operated carbon dioxide (CO<sub>2</sub>) system is in place inside the cutting enclosure which allows an operator to apply CO<sub>2</sub> to minor flare-ups that can originate on the waste item being cut up with the plasma-torch. The CO<sub>2</sub> system cannot over pressurize the enclosure.

## Table E-1 (continued)

### Emergency Equipment Technical Area (TA) 50, Building 69 (TA-50-69) Indoor and Outdoor Container Storage Units

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#### **FIRE CONTROL EQUIPMENT (continued):**

##### Locations

Throughout TA-50-69, as described above.

- **FIRE HYDRANT**

##### Description of General Capabilities

Fire hydrants provide water for fire fighting. All fire hydrants are supplied by an 8-inch (in.) water line connected to the 12-in. water main on Pecos Drive.

##### Location

A fire hydrant is located approximately 55 ft west of TA-50-69.

#### **SPILL CONTROL EQUIPMENT:**

- **CURBING AND DRAINS**

The main process room (Room 102) and unloading area (Room 103) at TA-50-69 provide secondary containment by use of curbs or floor drains. The storage capacity plus curbed area storage would be adequate to contain water generated during fire fighting.

- **SPILL CENTERS**

##### Description of General Capabilities

The spill centers contain at a minimum personnel protective equipment (i.e., gloves), and sorbents (i.e., pillows and pigs). The Emergency Management and Response Group provides additional spill control and clean up equipment as needed.

##### Spill Center Location

2 - TA-50-69, Indoor CSU (Room 102)  
2 - TA-50-69, Outdoor CSU

#### **COMMUNICATION EQUIPMENT:**

##### Description of General Capabilities

Telephones with public address (PA) capabilities for internal and external communication are available for use by any employee. Fire and evacuation alarms are activated in the event of a fire or in case an evacuation is required. The fire alarm is a double slow whoop sound. The evacuation alarm is a high-pitched wailing sound. The PA system can be heard at the TA-50-69, Outdoor CSU. When working at the CSUs, personnel will have immediate access to emergency communication equipment either directly or through visual or voice contact with another employee.



## Table E-1 (continued)

### Emergency Equipment Technical Area (TA) 50, Building 69 (TA-50-69) Indoor and Outdoor Container Storage Units

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#### **COMMUNICATION EQUIPMENT (continued):**

##### Location of Communication Equipment

Four telephones, three with PA capabilities, are located in TA-50-69. One is located outside Room 104 near the door. Personnel working at the TA-50-69, Outdoor CSU have access to the phone outside Room 104, will carry cellular phones, or will have immediate access to communication equipment through visual or voice contact with another employee.

#### **DECONTAMINATION EQUIPMENT:**

- **SAFETY SHOWERS**

##### Description of General Capabilities

Safety showers are available to personnel who receive a chemical splash to the skin.

##### Location of Safety Showers

Safety showers are located in TA-50-69, Room 102 and Room 103. One standard shower is located adjacent to the change room in TA-50-69.

- **EYEWASHES**

##### Description of General Capabilities

Eyewashes are available to personnel who receive a chemical splash to the eye(s). Specific MSDSs for the chemicals being managed are available to personnel working with hazardous or mixed waste to determine if the application of water is indicated for decontamination.

##### Location of Eyewashes and Material Safety Data Sheets

An eyewash is located in the TA-50-69, Indoor CSU (Room 102). The safety shower and eyewash in TA-50-69 are available to personnel working at the TA-50-69, Outdoor CSU.